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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,453	11/26/2003	Satoshi Sasaki	117888	8104
25944	7590	07/18/2006	EXAMINER	
OLIFF & BERRIDGE, PLC			SEMENENKO, YURIY	
P.O. BOX 19928				
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			2841	

DATE MAILED: 07/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary	Application No.	Applicant(s)
	10/721,453	SASAKI ET AL.
	Examiner ***	Art Unit

All participants (applicant, applicant's representative, PTO personnel):

(1) Yuriy Semenenko (Examiner).

(3) Donald DiPaula (App. Rep.). 

(2) Randy Gibson (Primary Ex.).

(4) Ishwar Patel (Pr. Exam.). 

Date of Interview: 7/18/2006

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.
If Yes, brief description: _____.

Claim(s) discussed: 1, 2, 3, 6 & 7.

Identification of prior art discussed: Higgins, III; Sen et al; Hanson; and Kobayashi.

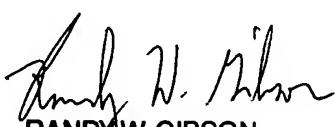
Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


RANDY W. GIBSON

PRIMARY EXAMINER

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Higgins shows the substrate with multiple layers, but the holes of each adjacent layer are not shifted. The holes of some adjacent layers are shifted with respect to each other so they do not overlap, but not for EACH of the adjacent layers. The Japanese reference shows holes staggered from layer to layer, but the major axis of the holes from layer to layer are rotated 90 degrees with respect to each other, while applicant's holes are not. The features of claims 2 & 3 were discussed, but no agreement was reached at this time.

RWN
7/12/2006